CERRO COPPER PRODUCTS

DIVISION OF CERRO CORPORATION

INTERNAL MEMORANDUM

Form 40-10 SHOW NAME, TITLE AND UNIT OF ADDRESSEE AND ADDRESSOR

OTHER ADDRESSEES · FOR INFORMATION

CC: P. Tandler
R. Conreaux
File [redacted] 1104

154009

TO: Jos. W. Goldenberg

DATE: February 17, 1972

FROM: Bill Graff

SUBJECT:

For the last several days, the cooling tower at Bldg. 19 seems to be functioning, from a water level standpoint, better than it has been lately.

The high level cut-off probe is about 16" below the top rim of the cold well basin so that no make up water is added until the level is below this point. This space in the cold well handles the water displaced by the logs when casting and the surges from the hot well pumps.

The sketch attached shows the:-

Maerz hot well surge	945 Gal.
Casting machine hot well surge	2928 "
Displacement of 6 logs	1237 "
" " "	1237 "
	445)6347 Gal.
	14" in cold well

If we start out in the morning with the cold well approximately 16" below the rim we would have room enough to handle the water pumped over by the hot well pumps.

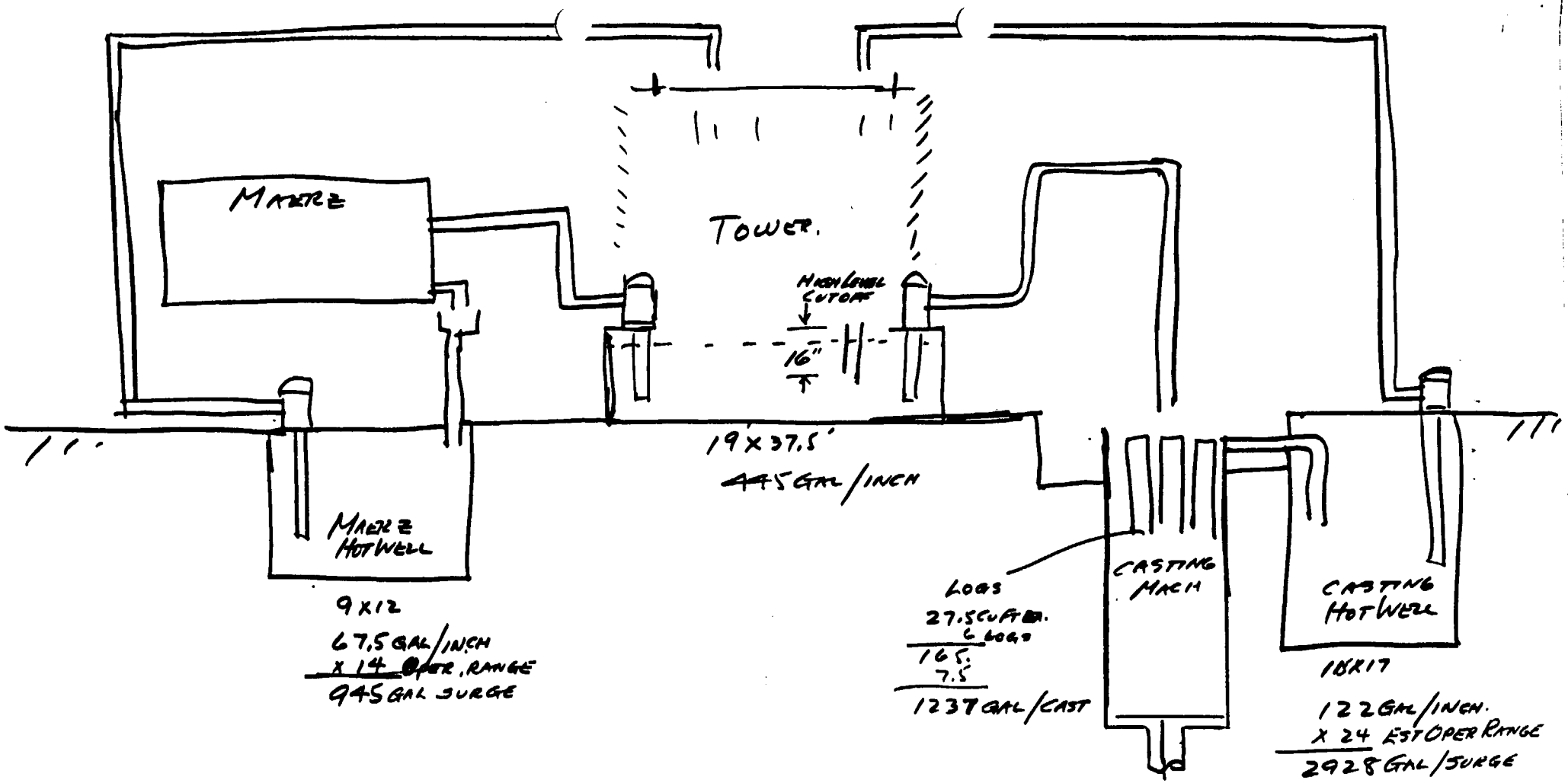
The thing that seems to disturb this system is the accumulation of water from the various line bleeders which run continously throughout the non-operating hours. When we start out we have too much water in the cold well because of the accumulation from the bleeders and then when we start casting and the hot well pumps begin to function, the tower cold well overflows until the excess water in the system is expelled.

Occasionally, the pit around the casting machine is pumped out and this too adds excess water in the cold well which must be discharged.

Bill Graff

BG/as

C03395


MAKER
TOWER.
HIGH LEVEL CUTOFF
16"
19 X 37.5'
445 GAL/INCH
MAKER HOTWELL
9 X 12
67.5 GAL/INCH
X 14 OPER. RANGE
945 GAL SURGE
LOGS
27.5 CU FT.
6 LOGS
165
7.5
1237 GAL/CAST
CASTING MACH
CASTING HOTWELL
18X17
122 GAL/INCH.
X 24 EST OPER RANGE
2928 GAL/SURGE

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